



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Appl. No. : 10/600,904
Applicants : Robert Sigurd Nelson, William Bert Nelson
Filing Date : June 20, 2003
Examiner : Irakli Kiknadze
Art Unit : 2882
Title : DEVICE AND SYSTEM FOR IMPROVED IMAGING IN NUCLEAR
MEDICINE AND MAMMOGRAPHY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

June 27, 2006

AMENDMENT

Dear Mr. Kiknadze:

In response to the Final Office Action of 06/15/2006 and our phone conversation of 06/27/2006, please amend claims 57, 58 of application 10/600,904 as follows:

IN THE CLAIMS

57. (Canceled) A method of calibrating a radiation detection system comprising:

providing a ~~known~~ radiation source ~~distribution~~ that emits radiation, wherein the source is chosen from the group consisting of a uniform point-like source, a line-like source, a spherical source, a rod-like source, a collimated spot source, a slit source, a slot source, a grid pattern source, a planar flood field, and a shaped three-dimensional flood field,

measuring the level of radiation emitted from the source that is detected by the detection system, and

calibrating the detection system by evaluating the detected radiation and
balancing the system based upon the detected radiation.

Do NOT ENTER
HK. 08/04/2006